PHENOTYPIC STABILITY OF YIELD AND ITS COMPONENT TRAITS IN LENTIL
(LENS CULINARIS MEDIK)

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Abstracts: Thirty genotypes of lentil were evaluated under four diverse environments for stability analysis for yield and its related traits. Pooled analysis of variance for all the eleven characters indicated significant differences among the genotypes and environments. The linear component was observed to be significant for all the characters suggesting that the prediction of performance of genotypes were possible across the environments. Genotype L-4676 and L-4594 were observed to be desirable and stable for seed yield as well as other characters like number of primary and secondary branches/plant, plant height, 100 seed weight and biological yield. Further, the genotype L-415 was having high yield, $S^d=0$ and $b>1$ indicating that this genotype would perform better in favourable environmental conditions.

Keywords: Lentil, G × E interaction, Phenotypic stability, Seed yield

REFERENCES


